

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00629_1 ~ C1216XT-30LXXK-NDEX-TCY-SOXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00629_1
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 9/20/2017
[UPDATE] 3/9/2018
[LUMCAT] C1216XT-30L-xxK-ND-EX-TCY-SO
[LUMINAIRE] Nom. 12" Diam. x 16" H. Accent Biaxial Adjustable Downlight Cylinder
[OTHER] Internal Reflector, Narrow Beam
[OTHER] Solite Lens, Flush with Lower Trim
[OTHER] 25.1 Degree Beam Angle
[OTHER] Aimed at 0 Degrees
[LAMPCAT] N/A, 19mm LES
[LAMP] N/A, 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2678
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.48
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.44 ft (Diameter)
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	36944	37162	37885
55	16608	16434	17329
65	9640	9836	10414
75	7998	8507	8130
85	5085	5775	6254

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	5830.034	5830.034	5830.034	5830.034	5830.034	5830.034	5830.034	5830.034	5830.034	5830.034
5	5037.552	5167.024	5051.429	5153.000	5087.400	5078.057	5136.500	5037.010	5166.516	5068.079
10	3541.762	3645.521	3500.146	3639.324	3527.879	3485.312	3614.730	3501.407	3657.437	3521.456
15	2236.875	2266.951	2198.413	2278.262	2205.144	2151.193	2225.091	2203.753	2264.041	2168.796
20	1489.734	1473.590	1470.814	1512.070	1468.066	1420.985	1448.427	1474.523	1475.051	1416.359
25	1164.330	1152.588	1159.455	1173.317	1153.214	1126.827	1130.898	1149.308	1136.780	1110.750
30	997.658	1010.903	1005.732	1015.954	999.010	988.773	989.217	979.396	972.187	952.083
35	809.766	837.073	822.089	843.829	817.560	808.175	813.971	784.256	789.679	762.380
40	583.183	603.096	587.677	606.481	592.427	587.520	580.535	553.309	566.002	550.281
45	372.732	385.410	374.939	384.183	382.232	384.364	379.271	362.655	367.915	358.181
50	225.803	224.129	223.510	234.129	232.421	231.742	230.153	230.179	235.107	221.762
55	135.915	136.106	134.492	138.988	141.819	140.179	142.315	142.172	146.587	142.083
60	86.575	86.614	87.157	84.923	90.947	97.215	95.017	95.529	97.754	95.644
65	58.127	61.195	59.312	59.302	62.798	72.241	71.064	69.582	68.235	72.354
70	43.852	43.811	43.233	45.016	43.634	54.982	58.294	53.396	55.455	55.394
75	29.536	31.085	31.415	31.214	30.025	41.878	45.565	40.818	43.372	42.072
80	18.718	18.494	18.522	19.981	20.693	35.629	34.901	33.554	33.636	32.526
85	6.324	6.496	7.181	6.207	7.777	20.966	21.217	20.231	20.572	21.645
90	1.601	1.390	2.119	2.396	2.776	10.852	9.770	10.834	8.774	12.970
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	5830.034	5830.034	5830.034	5830.034	5830.034	5830.034	5830.034
5	5249.225	5092.076	5206.382	5209.019	5053.878	5200.194	5037.552
10	3673.323	3549.353	3613.215	3610.883	3536.184	3669.702	3541.762
15	2222.032	2198.770	2194.135	2179.904	2193.151	2271.122	2236.875
20	1424.120	1445.391	1425.702	1407.661	1444.576	1479.889	1489.734
25	1115.531	1132.080	1124.027	1112.233	1133.631	1157.206	1164.330
30	967.987	959.143	967.151	974.087	973.466	998.253	997.658
35	782.606	770.498	782.774	789.803	789.993	820.030	809.766
40	564.109	548.959	567.021	576.711	571.892	592.342	583.183
45	366.435	355.809	365.406	373.314	370.967	375.545	372.732

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50	226.433	228.244	224.695	223.741	224.382	226.932	225.803
55	148.216	144.148	145.205	133.434	136.776	140.028	135.915
60	99.075	97.051	97.131	89.721	88.902	90.256	86.575
65	70.937	70.125	68.307	63.238	60.478	61.069	58.127
70	54.784	51.956	51.985	45.349	42.733	43.181	43.852
75	43.937	40.805	40.897	26.028	32.096	29.768	29.536
80	32.236	32.285	30.529	18.347	18.589	18.024	18.718
85	20.752	18.865	17.864	5.487	6.077	6.888	6.324
90	10.057	11.142	10.191	1.924	2.106	1.937	1.601
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1088.75	N.A.	40.70
0-30	1629.63	N.A.	60.90
0-40	2122.62	N.A.	79.30
0-60	2553.62	N.A.	95.40
0-80	2660.09	N.A.	99.30
0-90	2676.2	N.A.	99.90
10-90	2233.84	N.A.	83.40
20-40	1033.87	N.A.	38.60
20-50	1330.94	N.A.	49.70
40-70	498.45	N.A.	18.60
60-80	106.47	N.A.	4.00
70-80	39.02	N.A.	1.50
80-90	16.12	N.A.	0.60
90-110	1.73	N.A.	0.10
90-120	1.73	N.A.	0.10
90-130	1.73	N.A.	0.10
90-150	1.73	N.A.	0.10
90-180	1.73	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	2677.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	442.37
10-20	646.38
20-30	540.88
30-40	492.99
40-50	297.07
50-60	133.92
60-70	67.45
70-80	39.02
80-90	16.12
90-100	1.73
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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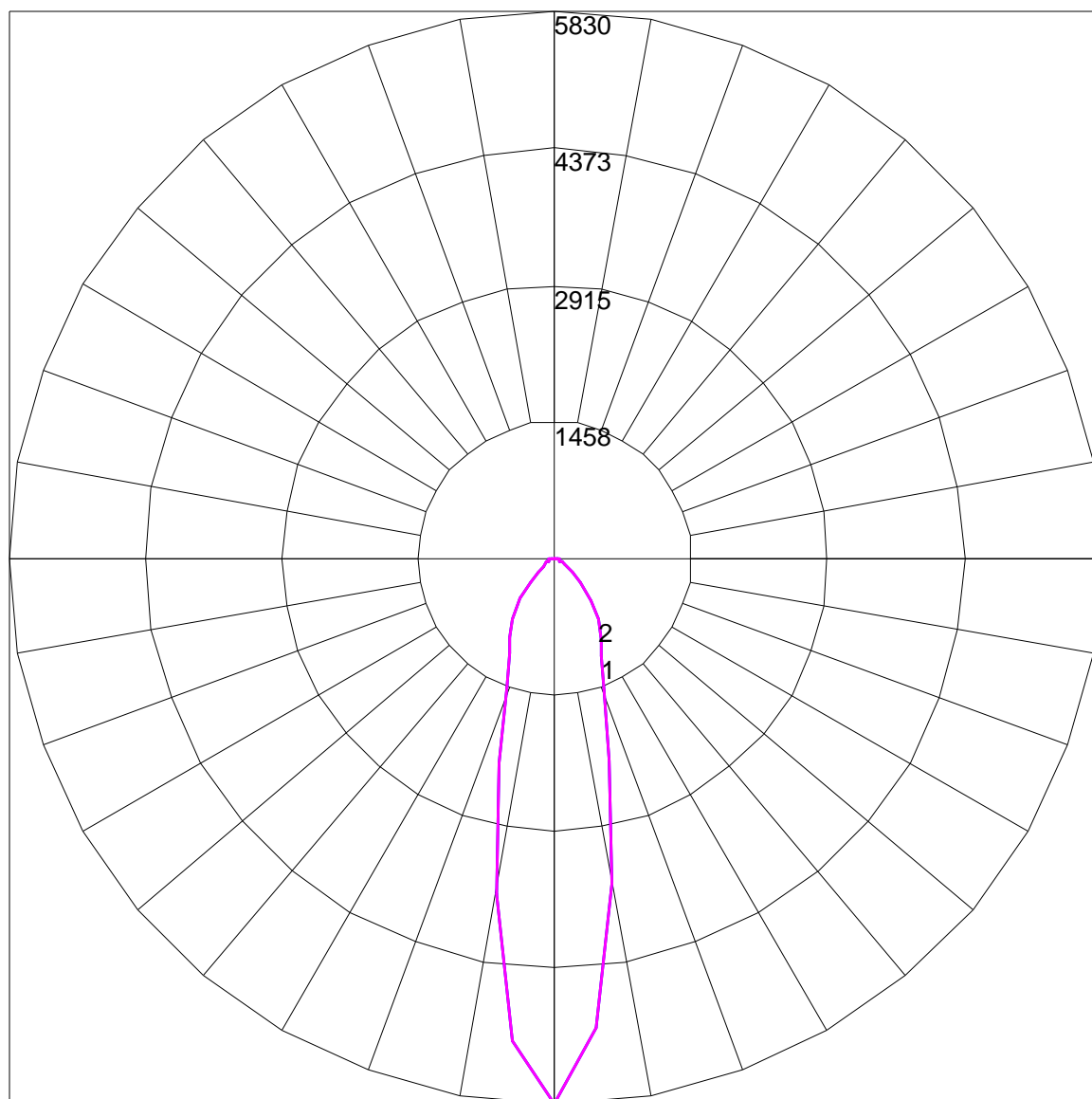
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92
2	106	101	96	93	104	99	95	92	96	92	89	93	90	88	90	88	86	84
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66
6	85	76	69	65	84	75	69	65	73	68	64	72	67	64	71	67	63	62
7	81	71	65	61	80	71	65	60	69	64	60	68	63	60	67	63	59	58
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	54
9	74	64	58	53	73	63	57	53	62	57	53	61	56	53	60	56	53	51
10	70	60	55	51	69	60	54	50	59	54	50	58	54	50	58	53	50	49

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POLAR GRAPH



Maximum Candela = 5830.034 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)